

# TITAN Edge Gw

## UNIVERSAL PROFESSIONAL ANY TO ANY GATEWAY

TITAN Edge Gateway is a multi-channels/ any inputs to any outputs solution, with easy setup, fast signal lock and industry-grade input support.

Based on TITAN's software modular suite and leveraging full COTS approach, TITAN Edge is a versatile solution for operations running on-premises, off-premises or a combination of the two: High HD density, 4K, Satellite/ Terrestrial/IP reception, Over-the-Air or scrambled sources, Gateway, IP Turnaround.

Implementing state-of-the-art SMPTE 2022 standards, TITAN Edge Gateway is the first professional cloud native solution improvable to support full IP video contribution & distribution in the cloud.

In addition, TITAN Edge Gateway features interfaces to standard PCIe boards to support any type of use-case and build the most adapted and efficient solution for on-premises reception.

The TITAN Edge Gateway features advanced ARQ solutions with failover of any input type to be descrambled and forwarded to any output type making it a comprehensive solution to contribute from/to the cloud.

### Key Features

- Any to Any input failover matrix
- Solution for Any input to Any output types
- Multi DVB-Common Interface option
- BISS-CA decryption system support
- Service filtering with remuxed output
- BISS-CA MPTS scrambling over any output
- Contribution over Internet input and output support
- Scalability to UHD 12-bit 4:2:2 codec solution
- On-premises/off-premises/Cloud solution

### Value-Added Benefits



**Lower OPEX**  
High density with high quality of service



**Modularity**  
Full flexibility and scalability

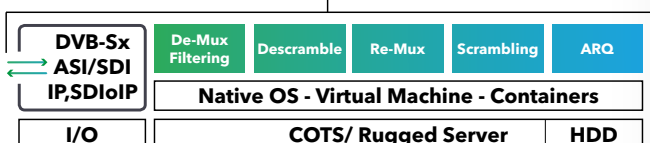


**Software based**  
Future-proof and high ROI



**Industry Grade**  
Smooth operations based on proven interoperabilities

## TITAN Edge Gw



## Descrambling

BISS 0/1/E (Tech 3292-rev.2 and EBU R139)  
BISS-CA (Tech 3292-1)  
DVB-CI Common Interface Hardware option to descramble  
Multi services descrambling included – up to 20 services - MPTS with support of major CAS vendors: Conax, Irdeto, NDS, Viaccess

## ARQ Solution

Zixi receiver & feeder\* - push and pull modes  
SRT receiver & feeder - caller, listener & rendez-vous  
RIST receiver & feeder\*  
RTMP receiver\*  
Any to any conversion

## Scrambling

BISS 1/E (Tech 3292-rev.2 and EBU R139)  
BISS-CA (Tech 3292-1)

## Features, Configuration & Management

Web Graphic User Interface  
(create, delete and edit decoding channels)  
64 Presets configurations memory slots  
In-band and Out-Of-Band Management  
SNMP (MIB v2c) with remote SNMP supervisor (alarms & traps)  
REST API (documented through Open API v3.0)  
JSON Configuration export/import  
Firmware/Licenses/Configuration Update - Over The Air (ETSI 102-006)  
MPEG2-TS over UDP/RTP (Unicast/Multicast)  
FEC ProMPEG CoP3r2  
Failover Any to Any & SMPTE 2022-7  
Carrier ID from the NIT  
PID filtering demux/remux  
Multi-Protocol Encapsulation  
Remote Syslog, VPN support, IGMPv3 support  
INTEL and AMD family support

## Demodulation

Multi RF demodulator with selectable RF inputs  
L-Band input, C-band, Ku-band support  
Frequency Range: 950-2150 MHz (L-Band)  
C/N, BeR, C/N margin, Link margin monitoring \*\*\*  
Automatic, Manual DVB-S/S2/S2x selection \*\*\*  
Adjustable Search Range \*\*\*  
Support VCM, CCM \*  
DVB-S (EN 300421)  
DVB-S (DSNG EN 301210-1.1.1)  
DVB-S2 (EN 302307-1) / DVB-S2x (EN 302307-2)

## Front Panel

6-keys keyboard for input & navigation  
Presets import and export from USB \*  
TS capture download from USB slot \*  
First ISO install from USB  
Serviceable Air Filters  
CAM Module in 2.5" HDD Dell housing (up to 8 in 1-RU front panel) \*

## Rear Panel

**IP interface**  
Minimum of 2 x 10GE - Refer to the server used  
**ASI interface**  
Up to 8 x DVB-ASI reversible (input or output) \*\*\*  
**CAM interface**  
Up to 2 x DVB-CI CAM Module per PCIe board \*\*\*  
**RF interface**  
Up to 4 x RF connectors / 8 demodulators per PCIe board \*\*\*  
RF input level: -65 dBm to -25 dBm

\* Contact your sales representative for the detailed list of features  
\*\* Contact factory for availability  
\*\*\* Refer to the PCIe board used